```
        RAW SEQUENCE LISTING              DATE: 05/14/2001
        PATENT APPLICATION:  US/09/845,225   TIME: 12:32:25

        Input Set : A:\9508005999.txt
        Output Set: N:\CRF3\05142001\I845225.raw

        SEQUENCE LISTING
C--> 4 (1) GENERAL INFORMATION:
     6       (i) APPLICANT: Erni, B.
C--> 8      (ii) TITLE OF INVENTION: TARGET SYSTEM
    10    (iii) NUMBER OF SEQUENCES: 32
    12     (iv) CORRESPONDENCE ADDRESS:
    13          (A) ADDRESSEE: Pennie & Edmonds LLP
    14          (B) STREET: 1155 Avenue of the Americas
    15          (C) CITY: New York
    16          (D) STATE: New York
    17          (E) COUNTRY: USA
    18          (F) ZIP: 10036
    20      (v) COMPUTER READABLE FORM:
    21          (A) MEDIUM TYPE: Diskette
    22          (B) COMPUTER: IBM Compatible
    23          (C) OPERATING SYSTEM: DOS
    24          (D) SOFTWARE: FastSEQ Version 2.0
    26     (vi) CURRENT APPLICATION DATA:
C--> 27          (A) APPLICATION NUMBER: US/09/845,225
C--> 28          (B) FILING DATE: 30-Apr-2001
    29          (C) CLASSIFICATION:
    31   (viii) ATTORNEY/AGENT INFORMATION:
    32          (A) NAME: Gerald J. Flintoft
    33          (B) REGISTRATION NUMBER: 20,823
    34          (C) REFERENCE/DOCKET NUMBER:
    36     (ix) TELECOMMUNICATION INFORMATION:
    37          (A) TELEPHONE: 212-790-9090
    38          (B) TELEFAX: 212-869-9741
    39          (C) TELEX: 66141 PENNIE
    42 (2) INFORMATION FOR SEQ ID NO: 1:
    44       (i) SEQUENCE CHARACTERISTICS:
    45          (A) LENGTH: 7 amino acids
    46          (B) TYPE: amino acid
    47          (D) TOPOLOGY: linear
    49      (ii) MOLECULE TYPE: peptide
    51      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
    53   Lys Lys Phe His Leu Arg Lys
    54    1           5
    56 (2) INFORMATION FOR SEQ ID NO: 2:
    58       (i) SEQUENCE CHARACTERISTICS:
    59          (A) LENGTH: 7 amino acids
    60          (B) TYPE: amino acid
    61          (D) TOPOLOGY: linear
    63      (ii) MOLECULE TYPE: peptide
    66      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
    68   Lys Lys Phe Ala Leu Arg Lys
    69    1           5
```

ENTERED

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Input Set : A:\9508005999.txt
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```
 71 (2) INFORMATION FOR SEQ ID NO: 3:
 73      (i) SEQUENCE CHARACTERISTICS:
 74          (A) LENGTH: 7 amino acids
 75          (B) TYPE: amino acid
 76          (D) TOPOLOGY: linear
 78      (ii) MOLECULE TYPE: peptide
 80      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
 82  Lys Lys Phe Asp Leu Arg Lys
 83    1               5
 85 (2) INFORMATION FOR SEQ ID NO: 4:
 87      (i) SEQUENCE CHARACTERISTICS:
 88          (A) LENGTH: 12 amino acids
 89          (B) TYPE: amino acid
 90          (D) TOPOLOGY: linear
 92      (ii) MOLECULE TYPE: peptide
 94      (ix) FEATURE:
 95          (A) NAME/KEY: peptide
 96          (B) LOCATION: 1
 97          (D) OTHER INFORMATION: /label=Xaa
 98 /note= "wherein Xaa can be any amino acid"
100      (ix) FEATURE:
101          (A) NAME/KEY: peptide
102          (B) LOCATION: 2
103          (D) OTHER INFORMATION: /label=Xaa
104 /note= "wherein Xaa can be any amino acid"
106      (ix) FEATURE:
107          (A) NAME/KEY: peptide
108          (B) LOCATION: 11
109          (D) OTHER INFORMATION: /label=Xaa
110 /note= "wherein Xaa can be any amino acid"
112      (ix) FEATURE:
113          (A) NAME/KEY: peptide
114          (B) LOCATION: 12
115          (D) OTHER INFORMATION: /label=Xaa
116 /note= "wherein Xaa can be any amino acid"
119      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
```
W--> 121 Xaa Xaa Lys Lys Trp His Leu Arg Lys Arg Xaa Xaa
```
122    1               5                   10
124 (2) INFORMATION FOR SEQ ID NO: 5:
126      (i) SEQUENCE CHARACTERISTICS:
127          (A) LENGTH: 8 amino acids
128          (B) TYPE: amino acid
129          (D) TOPOLOGY: linear
131      (ii) MOLECULE TYPE: peptide
133      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
135  Lys Lys Trp His Leu Arg Lys Arg
136    1               5
138 (2) INFORMATION FOR SEQ ID NO: 6:
140      (i) SEQUENCE CHARACTERISTICS:
```

```
141          (A) LENGTH: 8 amino acids
142          (B) TYPE: amino acid
143          (D) TOPOLOGY: linear
145      (ii) MOLECULE TYPE: peptide
147      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
149  Lys Gly Trp His Lys Arg Lys Lys
150   1              5
152 (2) INFORMATION FOR SEQ ID NO: 7:
154.     (i) SEQUENCE CHARACTERISTICS:
155          (A) LENGTH: 8 amino acids
156          (B) TYPE: amino acid
157          (D) TOPOLOGY: linear
159      (ii) MOLECULE TYPE: peptide
161      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
163  Lys Lys Trp His Arg Arg Lys Lys
164   1              5
166 (2) INFORMATION FOR SEQ ID NO: 8:
168      (i) SEQUENCE CHARACTERISTICS:
169          (A) LENGTH: 8 amino acids
170          (B) TYPE: amino acid
171          (D) TOPOLOGY: linear
173      (ii) MOLECULE TYPE: peptide
175      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
177  Lys Lys Trp His Lys Arg Lys Lys
178   1              5
180 (2) INFORMATION FOR SEQ ID NO: 9:
182      (i) SEQUENCE CHARACTERISTICS:
183          (A) LENGTH: 8 amino acids
184          (B) TYPE: amino acid
185          (D) TOPOLOGY: linear
187      (ii) MOLECULE TYPE: peptide
189      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
191  Lys Lys Phe His Ile Arg Lys Arg
192   1              5
194 (2) INFORMATION FOR SEQ ID NO: 10:
196      (i) SEQUENCE CHARACTERISTICS:
197          (A) LENGTH: 9 amino acids
198          (B) TYPE: amino acid
199          (D) TOPOLOGY: linear
201      (ii) MOLECULE TYPE: peptide
203      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
205  Pro Asn Gly Leu His Thr Arg Pro Ala
206   1              5
208 (2) INFORMATION FOR SEQ ID NO: 11:
210      (i) SEQUENCE CHARACTERISTICS:
211          (A) LENGTH: 9 amino acids
212          (B) TYPE: amino acid
213          (D) TOPOLOGY: linear
215      (ii) MOLECULE TYPE: peptide
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RAW SEQUENCE LISTING   DATE: 05/14/2001
PATENT APPLICATION: US/09/845,225   TIME: 12:32:26

        Input Set : A:\9508005999.txt
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217   (ix) FEATURE:
218   (A) NAME/KEY: peptide
219   (B) LOCATION: 1
220   (D) OTHER INFORMATION: /label=Pro
221 /note= "wherein a biotin molecule is covalently
222 linked to Pro at position 1"
224   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
226 Pro Asn Gly Leu His Thr Arg Pro Ala
227   1   5
229 (2) INFORMATION FOR SEQ ID NO: 12:
231   (i) SEQUENCE CHARACTERISTICS:
232   (A) LENGTH: 4 amino acids
233   (B) TYPE: amino acid
234   (D) TOPOLOGY: linear
236   (ii) MOLECULE TYPE: peptide
238   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
240 Trp His Lys Arg
241   1
243 (2) INFORMATION FOR SEQ ID NO: 13:
245   (i) SEQUENCE CHARACTERISTICS:
246   (A) LENGTH: 4 amino acids
247   (B) TYPE: amino acid
248   (D) TOPOLOGY: linear
250   (ii) MOLECULE TYPE: peptide
252   (ix) FEATURE:
253   (A) NAME/KEY: peptide
254   (B) LOCATION: 1
255   (D) OTHER INFORMATION: /label=Trp
256 /note= "wherein Trp is acetylated"·
258   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
260 Trp His Lys Arg
261   1
265 (2) INFORMATION FOR SEQ ID NO: 14:
267   (i) SEQUENCE CHARACTERISTICS:
268   (A) LENGTH: 15 amino acids
269   (B) TYPE: amino acid
270   (D) TOPOLOGY: linear
272   (ii) MOLECULE TYPE: peptide
277   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
279 Gly Leu Arg Phe Gly Lys Thr Arg Val His Tyr Leu Val Leu Gly
280   1   5   10   15
282 (2) INFORMATION FOR SEQ ID NO: 15:
284   (i) SEQUENCE CHARACTERISTICS:
285   (A) LENGTH: 15 amino acids
286   (B) TYPE: amino acid
287   (D) TOPOLOGY: linear
289   (ii) MOLECULE TYPE: peptide
291   (ix) FEATURE:
292   (A) NAME/KEY: peptide

RAW SEQUENCE LISTING   DATE: 05/14/2001
PATENT APPLICATION: US/09/845,225   TIME: 12:32:26

Input Set : A:\9508005999.txt
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```
293          (B) LOCATION: 11
294          (D) OTHER INFORMATION: /label=Trp
295 /note= "wherein Trp is acetylated"
297      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
299  Ser Gly Arg Lys Ser Thr Arg Val His His Trp Leu Leu Val Leu
300    1            5                10                  15
302 (2) INFORMATION FOR SEQ ID NO: 16:
304      (i) SEQUENCE CHARACTERISTICS:
305          (A) LENGTH: 10 amino acids
306          (B) TYPE: amino acid
307          (D) TOPOLOGY: linear
309      (ii) MOLECULE TYPE: peptide
311      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
314  Lys Met Ser Arg His Arg Lys Pro Gly Ala
315    1            5                10
317 (2) INFORMATION FOR SEQ ID NO: 17:
319      (i) SEQUENCE CHARACTERISTICS:
320          (A) LENGTH: 10 amino acids
321          (B) TYPE: amino acid
322          (D) TOPOLOGY: linear
324      (ii) MOLECULE TYPE: peptide
326      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
328  Ser Ser Leu Arg Gly His Arg Trp Val Tyr
329    1            5                10
333 (2) INFORMATION FOR SEQ ID NO: 18:
335      (i) SEQUENCE CHARACTERISTICS:
336          (A) LENGTH: 10 amino acids
337          (B) TYPE: amino acid
338          (D) TOPOLOGY: linear
340      (ii) MOLECULE TYPE: peptide
342      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:
344  Lys Ile Ser Arg His Gly Lys Arg Gly Lys
345    1            5                10
347 (2) INFORMATION FOR SEQ ID NO: 19:
349      (i) SEQUENCE CHARACTERISTICS:
350          (A) LENGTH: 10 amino acids
351          (B) TYPE: amino acid
352          (D) TOPOLOGY: linear
354      (ii) MOLECULE TYPE: peptide
356      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:
358  Lys Ile Ser Arg His Gly Arg Pro Thr Gly
359    1            5                10
361 (2) INFORMATION FOR SEQ ID NO: 20:
363      (i) SEQUENCE CHARACTERISTICS:
364          (A) LENGTH: 10 amino acids
365          (B) TYPE: amino acid
366          (D) TOPOLOGY: linear
368      (ii) MOLECULE TYPE: peptide
370      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 20:
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VERIFICATION SUMMARY
PATENT APPLICATION: **US/09/845,225**

DATE: 05/14/2001
TIME: 12:32:27

Input Set : **A:\9508005999.txt**
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```
L:4 M:220 C: Keyword misspelled or invalid format, [(1) GENERAL INFORMATION:]
L:8 M:220 C: Keyword misspelled or invalid format, [(ii) TITLE OF INVENTION:]
L:27 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:28 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:121 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
```